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## APPLICATION FOR U.S. PATENT TRANSMITTAL FORM

December 17, 2001  
Box PATENT APPLICATION  
Commissioner for Patents  
Washington, D.C. 20231

Express Mail label number under 37 C.F.R. § 1.10:  
EK338727502US

**EK338727502US**

Dear Sir:

Transmitted herewith for filing is the patent application of:

Inventor(s): Onggosanusi et al

For: Closed Loop Multiple Transmit, Multiple Receive Antenna Wireless  
Communication System

Enclosed are a patent application including 54 pages of specification, 4 sheets of informal drawings, an executed Declaration and Power of Attorney, as well as an Assignment (with cover sheet) of the invention to TEXAS INSTRUMENTS INCORPORATED, P.O. Box 655474, MS3999, Dallas, Texas 75265. *This application claims the benefit, under 35 U.S.C. §119(e)(1), of U.S. Provisional Application No. 60/280,693 (TI-32854PS), filed March 30, 2001, and incorporated herein by this reference.*

| FEE CALCULATION    |        |    |       |      | FEE         |
|--------------------|--------|----|-------|------|-------------|
| Basic Fee          |        |    |       |      | 740         |
|                    | Number |    | Extra | Rate |             |
| Total Claims       | 59     | 20 | 39    | 18   | 702         |
| Independent Claims | 4      | 3  | 1     | 84   | 84          |
| <b>TOTAL FEES</b>  |        |    |       |      | <b>1526</b> |

Please charge deposit account No. 20-0668 in the amount of the Total Fees set forth above. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to said deposit account. **A duplicate copy of this sheet is enclosed.**

All correspondence regarding this application may be directed to Applicants' attorney at **Customer number 23494**, or at the below listed telephone number and address.

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Respectfully submitted,



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